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Patent Abstracts of Japa

PUBLICATION NUMBER : 09002019
PUBLICATION DATE : 07-01-97

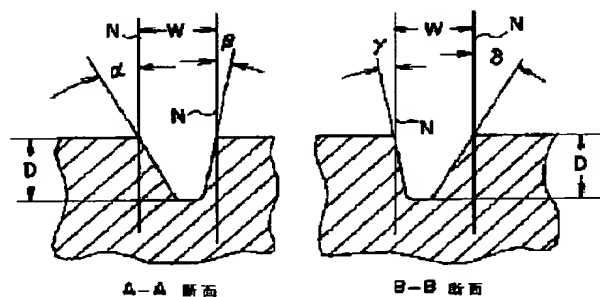
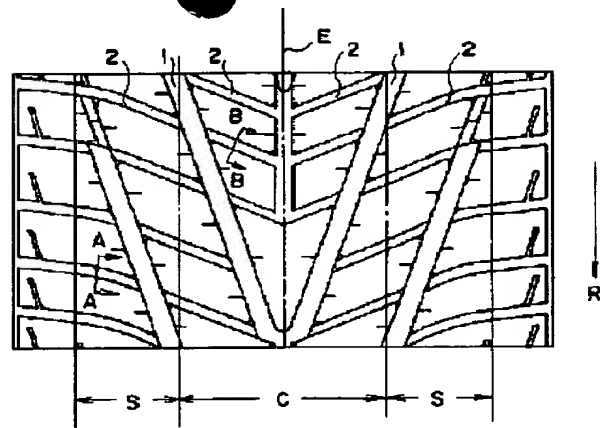
APPLICATION DATE : 14-06-95
APPLICATION NUMBER : 07147289

APPLICANT : BRIDGESTONE CORP;

INVENTOR : NAKAGAWA MASAO;

INT.CL. : B60C 11/04 B60C 11/13

TITLE : PNEUMATIC TIRE PROVIDED WITH
DIRECTIONAL HIGH SLANT GROOVE



ABSTRACT : PURPOSE: To prevent wear by setting the angle of a groove side wall grounding later at normal rotation of a tire larger than the angle of that grounding earlier, in the angles of groove side walls of a directional high slant groove, in the tread outside territories from specified positions between the pattern center to both ends of a tread to both ends of the tread.

CONSTITUTION: In the angles of groove side walls against a tread normal line N in the section perpendicular to the extending direction of the groove of a directional high slant groove 2, in tread outside territories S from the positions of 50% distance between the pattern center to both ends of the tread to both ends of the tread, the angle α of the groove side wall on the later grounding side at normal rotation of a tire is set to be 25 degrees for example, and the angle β of the groove side wall on the earlier grounding side at normal rotation of the tire is set to be 0 degree for example. Because the angle α of the groove side wall later grounding at normal rotation of the tire is larger than the angle β of the groove side wall earlier grounding in this way, rigidity of the corner part on the treading-in side of a block is weakened, and hence impact force at collision with the road surface is lightened.

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